

August 24-29, 2014 in Mainz (Germany)

Summer School

CHARGE AND SPIN TRANSPORT IN NON-METALLIC SYSTEMS AND CONFINED GEOMETRIES

Topics

- Synthesis of conducting polymers and organic molecules
- Charge and Spin Transport in organic materials from DC to THz
- Magnetotransport effects in organic materials and graphene
- Low dimensional charge and spin transport
- Single molecule electronics and transport across point contacts
- Transport in semiconducting nanowires and organic nanostructured elements
- Transport and recombination in disordered organic semiconductors
- Organic (opto)electronic devices and organic photovoltaics
- Primer on scientific publishing

Confirmed Speakers:

- D. Andrienko, MPI for Polymer Research, Mainz
- P. Blom, MPI for Polymer Research, Mainz
- A. Candini, CNR, Istituto Nanoscienze, Modena, Italy
- M. Cinchetti, TU Kaiserslautern, Germany
- D. de Leeuw, MPI for Polymer Research, Mainz
- A. Erbe, Helmholtz Center Dresden-Rossendorf, Germany
- S. Gemming, Helmholtz Center Dresden-Rossendorf, Germany
- G. Güntherodt, RWTH Aachen, Germany
- R. Janssen, TU Eindhoven, The Netherlands
- M. Kläui, University of Mainz, Germany
- B. Koopmans, TU Eindhoven, The Netherlands
- F. May, BASF SE Ludwigshafen, Germany
- J. Repp, University of Regensburg, Germany
- U. Scherf, University of Wuppertal, Germany
- J. Schmidt, University of Halle, Germany
- D. Turchinovich, MPI for Polymer Research, Mainz
- D. Ucko, Senior Assistant Editor at Physical Review Letters, USA
- B. van Wees, University of Groningen, The Netherlands
- H. van Zant, Delft University of Technology, The Netherlands

Organizers: P. Blom (MPI-P, Mainz), M. Kläui (JGU Mainz), A. Erbe (Helmholtz Center Dresden-Rossendorf)

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